

NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Burlington VT
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH YEAR January 2012
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE /s/ Gregory A. Hanson, SH WFO BTW DATE February 2 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☐ An X inside this box indicates that no flooding occurred within this hydrologic service area.

January was a mostly quiet month from a hydrologic standpoint, except for an isolated freeze-up ice jam flood incident in Malone New York around mid-month. Otherwise precipitation was near to below normal, and temperatures were above normal.

The weather pattern during January was characterized by the westerlies locked north of the Canadian border, with storm tracks passing north of the hydrologic service area and the region generally in the warm sector. Periodic intrusions of cold air on January 3, and longer duration January 14-16 caused the formation of frazil ice in area rivers as previously unfrozen rivers were exposed to frigid air temperatures. The Salmon River in Malone New York experienced a freeze-up ice jam on January 15 that stretched almost half a mile, surrounding 2 homes and threatening others. A channel opened in the jam on the 16th allowing water to flow through, and the return of warmer temperatures a few days later helped improve conditions.

Otherwise during the month there were minor precipitation events with mixed precipitation ahead of fast moving low pressure systems, followed by cold fronts that spread light snowfall enhanced over westerly facing terrain.

River levels were stable near base flows most of the month except for minor rises late in the month. Above freezing temperatures generated runoff from snowmelt and rainfall on January 24-25 when a half to one inch of precipitation fell, and again on January 26-27 when a widespread 1 to 1.5 inches of precipitation fell, mostly in the form of rain or mixed precipitation. Rivers rose one to two feet in response, and crested on the 25th and again on the 27th and 28th.

Significant River Crests
July 2011
WFO Burlington VT

-none-